

**AMENDMENT**

**In The Specification:**

Please amend the paragraph of line 1 at page 17 as follows:

-- Excluded from the scope of the present substance claims are the following two known sequences: 5'-GATCTTGACTGCCACTGTCTC-3' (SEQ ID NO: 97) (J. Clin. Endocrinology & Metabolism 2003, 88(10), 4967-4976) and 5'-CATGGCAGCCCCGTC-3' (SEQ ID NO: 98) (Developmental Biology 1996, 180, 242 – 257). --

Please amend the paragraph of line 19 at page 36 as follows:

**-- Example 6**

Antisense oligonucleotides against TGF- $\beta$ RII inhibit the TGF- $\beta$ 1 induced down-regulation of adult neural stem and precursor cell proliferation in vitro.

Cells were prepared, dissociated and plated as described in example 1. Cells were then incubated for 1 week with or without 10ng/ml TGF-b1, 10  $\mu$ M TGF- $\beta$ RII antisense oligonucleotide 5' – cagcccccggaccatg – 3' (SEQ ID NO: 3), sense oligonucleotide 5' – catgggtcgccccctg – 3' (SEQ ID NO: 99), or missense 5' – catccccggaccctg – 3' (SEQ ID NO: 100). Oligonucleotides were phosphotioate-modified and medium with oligonucleotides was changed daily. Note that the TGF- $\beta$ 1 induced inhibition of neural stem and precursor proliferation was completely and specifically blocked by the antisense (SEQ ID NO: 3) treatment (figure 6). --